

Interview Summary

Application No.

09/805,904

Applicant(s)

OKADA, NORIHITO

Examiner

Emmanuel S. Luk

Art Unit

1722

All participants (applicant, applicant's representative, PTO personnel):

(1) Emmanuel S. Luk (PTO).

(3) Shunshi Kuzumi (Applicant).

(2) Mr. Goldhush (Applicant's representative).

(4) Wanda Walker (PTO).

Date of Interview: 07 May 2003.

Type: a) ☐ Telephonic b) ☐ Video Conference

c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.

If Yes, brief description: _____.

Claim(s) discussed: 1,9,10,15,23 and 24.

Identification of prior art discussed: Yamaguchi and Shimazu.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's proposed amendment was discussed with attached examiner proposals and to update the search and to contact the attorney with the proposed amendment.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

proposed
amendment

interview 05/07/03

as penciled amended

IN THE CLAIMS:

Sean to research +
consult
primary's
on amendment

COPY

Please cancel claims 4 and 18 without prejudice.

Please amend claims 1 and 15 as follows.

1. (Currently Amended) A product ejecting apparatus for an injection molding machine, said apparatus comprising:

a first drive unit;

a first transmission unit connected to said first drive unit, wherein a rotation of said first drive unit results in a rotation of said first transmission unit;

a second drive unit;

a second transmission unit connected to said second drive unit, wherein a rotation of said second drive unit causes a rotation of said second transmission unit;

an ejector pin configured to reciprocate based upon a motion of said first transmission unit; and

a working member connected to said second transmission unit, wherein a movement of said second transmission unit results in reciprocating movement of said working member; wherein

*

said first and second transmission units ^{together} comprise a motion conversion unit.

*

2. (Original) A product ejecting apparatus as recited in claim 1, wherein said first transmission unit and said first drive unit are configured such that rotation of said first drive unit results in rotation and reciprocation of said first transmission unit.

3. (Original) A product ejecting apparatus as recited in claim 2, wherein said second transmission unit is configured such that rotation of said second drive unit results in rotation and reciprocation of said second transmission unit.

4. (Cancelled)

5. (Original) A product ejecting apparatus as recited in claim 1, wherein a reciprocating movement of said ejector pin and a reciprocating movement of said working member are in a same direction.

6. (Original) A product ejecting apparatus as recited in claim 1, further comprising a movement restriction unit for restricting axial movement of the first transmission unit.

7. (Original) A product ejecting apparatus as recited in claim 6, wherein said movement restricting unit comprises a stopper.

8. (Original) A product ejecting apparatus as recited in claim 1, further comprising a movement restricting unit for restricting axial movement of said second transmission unit.

9. (Original) A product ejecting apparatus as recited in claim 8, wherein said movement restricting unit comprises brakes.

10. (Original) A product ejecting apparatus as recited in claim 8, wherein said movement restricting unit comprises at least one spring.

11. (Original) A product ejecting apparatus as recited in claim 1, further comprising:

a first drive control unit for controlling said first drive unit; and
a second drive control unit for controlling said second drive unit,
wherein said first drive control unit and said second drive control unit are
configured such that when said first drive control unit drives said first drive unit, said
second drive unit is maintained in a fixed rotational position.

12. (Original) A product ejecting apparatus as recited in claim 11, wherein said
first drive control unit and said second drive control unit are configured such that when
said second drive control unit drives said second drive unit, said first drive unit is
maintained in a fixed rotational position.

13. (Withdrawn)

14. (Withdrawn)

15. (Currently Amended) A product ejecting apparatus, said apparatus
comprising:

a first drive ~~means~~ means for providing drive power for an injection molding
machine;

a first transmission means connected to said first ~~drive~~ drive means, wherein a
rotation of said first drive means results in a rotation of said first transmission means, said
first transmission means for transmitting power from said first drive means;

a second drive means for providing drive power;

a second transmission means connected to said second drive means, wherein a
rotation of said second drive means causes a rotation of said second transmission means;

an ejection means configured to reciprocate based upon a motion of said first transmission means; and

a working member connected to said second transmission means, wherein a movement of said second transmission means results in reciprocating movement of said working member; and

said first and second transmission means comprise motion conversion means for converting motion.

16. (Original) A product ejecting apparatus as recited in claim 15, wherein said first transmission means and said first drive means are configured such that rotation of said first drive means results in rotation and reciprocation of said first transmission means.

17. (Original) A product ejecting apparatus as recited in claim 16, wherein said second transmission means is configured such that rotation of said second drive means results in rotation and reciprocation of said second transmission means.

18. (Cancelled)

19. (Original) A product ejecting apparatus as recited in claim 15, wherein a reciprocating movement of said ejection means and a reciprocating movement of said working member are in a same direction.

20. (Original) A product ejecting apparatus as recited in claim 15, further comprising movement restriction means for restricting axial movement of the first transmission means.

21. (Original) A product ejecting apparatus as recited in claim 20, wherein said movement restricting means comprises stopper means for stopping movement of said first transmission means.

22. (Original) A product ejecting apparatus as recited in claim 15, further comprising movement restricting means for restricting axial movement of said second transmission means.

23. (Original) A product ejecting apparatus as recited in claim 22, wherein said movement restricting means comprises brake means for restricting movement of said second transmission means.

24. (Original) A product ejecting apparatus as recited in claim 22, wherein said movement restricting means comprises spring means for restricting movement of said second transmission means.

25. (Original) A product ejecting apparatus as recited in claim 15, further comprising:

first drive control means for controlling said first drive means; and

second drive control means for controlling said second drive means,

wherein said first drive control means and said second drive control means are configured such that when said first drive control means drives said first drive means, said second drive means is maintained in a fixed rotational position.

26. (Original) A product ejecting apparatus as recited in claim 25, wherein said first drive control means and said second drive control means are configured such that

when said second drive control means drives said second drive means, said first drive means is maintained in a fixed rotational position.